

# STATEMENT OF QUALIFICATIONS

**Name of Lab:** Scientific Crime Detection Laboratory  
5500 E. Tudor Road  
Anchorage, AK 99507

**Date:** October 22, 2008

**Name:** Lesley Hammer

**Job Title:** Forensic Scientist IV  
Supervisor

**Discipline(s):** Indicate all areas in which you do casework.  
Footwear and Tire Impressions  
Latent Fingerprints

**Education:** List all higher academic institutions attended.

Institution	Major	Degree completed	Date
University of Strathclyde, Scotland	Forensic Science	M.S.	2007
University of Alaska-Anchorage	Teaching-Chemistry & General Science	M.A.	1990
Alaska Pacific University	Earth & Environmental Science	B.A.	1987

## Other Training:

### Latent Prints

06/23-27/03: Advanced Problem Comparisons, Forensic Identification Training Seminars, Kasey E. Wertheim, Anchorage, Alaska (40 hours)  
01/09-10/03: Latent Print Imaging, Imaging Forensics, George Reis, Anchorage, Alaska (2 days)  
01/06-08/03: Forensic Digital Imaging, Anchorage, Alaska (24 Hours)  
10/15-26/01: Combined Advanced Ridgeology, Demystifying Palmprints and Comparison Techniques, Arlington, Texas (80 hours)  
03/10-28/97: Administrative Advanced Latent Fingerprint School, FBI Training Academy, Quantico, Virginia (3 weeks)  
01/06-10/97: Laser Fingerprint Development Workshop, Texas Tech University Center for Forensic Studies, Lubbock, Texas (1 week)  
04/24-28/95: Modern Fingerprint Technology, Metro-Dade Police Department, Miami, Florida (1 week)  
02/21-24/95: Advanced Palm Print Identification, sponsored by Pacific Northwest Division of the International Association For Identification, Tacoma, Washington (3 days)

### Footwear and Tire Tracks

10/10-16/04: Forensic Barefoot Impression Evidence, RCMP, Robert Kennedy, Belleville, Canada (40 hours)  
07/06-11/03: Forensic Tire Impression Identification, 88<sup>th</sup> International Educational Conference, Ottawa, Ontario Canada (4 hours)  
10/21 - 25/02: Footwear Impression Evidence, California Criminalistics Institute, Sacramento, California (40 hours)  
01/14 - 16/02: Snow Impression Research, West Valley City Crime Lab, Salt Lake City, Utah (3 days)  
04/01 - 06/01: California Criminalistics Institute, Tire Track and Tire Impression Evidence Examination, Sacramento, California (40 hours)  
03/03 - 04/03/98: Footwear Examination, FBI Training Academy, Quantico, Virginia (1 week)  
07/28 - 30/97: Tire Track Examination, 82nd International Association for Identification Educational Seminar, Danvers, Massachusetts (8 hours)

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**Crime Scene**

10/20-22/08: Shooting Scene Reconstruction, Anchorage, Alaska, William Gifford (3 days)  
01/14-18/08: Advanced Bloodstain Pattern Analysis, Anchorage, Alaska Tom Bevel (5 days)  
01/13/05: DNA Evidence, Anchorage, Alaska (4 hours)  
01/24 – 28/05: Crime Scene Processing, Anchorage, Alaska (40 hours) co-instructor  
02/04 - 07/05: Body Examination Workshop, Phoenix, Arizona (40 hours) co-instructor  
01/07 - 11/02: Utah Crime Scene Academy, Salt Lake City, Utah (40 hours)  
02/13/95 : Crime Scene Investigation, Anchorage PD Training Academy, Anchorage, Alaska (8 hours)

**Breath Alcohol and Controlled Substances**

05/21/99: The Robert F. Borkenstein Course on Alcohol, Drugs, and Highway Safety: Testing, Research and Litigation Indiana University Center for Law in Action, Bloomington, Indiana (40 hours)  
05/07/99: The National Judicial College NHTSA/FHWA Faculty Development Workshop Case, Nevada, Reno (40 hours)  
04/18-22/99: International Association of Chemical Testers Meeting 12<sup>th</sup> Annual conference, Wilmington, North Carolina (40 hours)  
04/17/99: BAC DataMaster User's Meeting National Patent Analytical Systems, Inc., Wilmington, North Carolina (8 hours)  
09/16-20/96: DEA Forensic Chemist Seminar, McLean, Virginia (1 week)

**Other**

07/29-30/08: Courtroom Testimony Techniques, Anchorage, AK, Ron Smith (2 days)  
04/28/03: "Winning Courtroom Confrontations: A Seminar on How to be an Effective Witness in the Courtroom," by Valerie Van Brocklin, Law Enforcement Trainer, Anchorage, Alaska (8 hours)  
01/06 - 8/03: Forensic Digital Imaging, Imaging Forensics, George Reis, Anchorage, Alaska (3 days)  
10/04 - 08/99: California Criminalistics Institute, Laboratory Safety Officer, Sacramento, California (40 hours)  
05/08 - 09/95: Trace Workshop, Skip Palenik of Microtrace in Chicago, Scientific Crime Detection Laboratory, Anchorage, Alaska (12 hours)

**Professional Conferences**

08/17-23/08 93<sup>rd</sup> International Association for Identification Educational Conference, Louisville, KY  
07/22-28/07 92<sup>nd</sup> International Association for Identification Educational Conference, San Diego, CA (6 days)  
07/02-07/06 91<sup>st</sup> International Association for Identification Educational Conference, Boston, MA (6 days)  
08/07-12/05 90<sup>th</sup> International Association for Identification Educational Conference, Dallas, Texas (6 days)  
02/21-25/05 American Academy of Forensic Science Meeting, New Orleans, Louisiana (5 days)  
08/22-27/04 89<sup>th</sup> International Association for Identification Educational Conference, St. Louis, Missouri (6 days)  
07/06-11/03: 88<sup>th</sup> International Association for Identification Educational Conference, Ottawa, Ontario Canada (6 days)  
08/04-10/02: 87<sup>th</sup> International Association for Identification Educational Conference, Las Vegas, Nevada (40 hours)  
07/22-28/01: 86<sup>th</sup> International Association for Identification Educational Conference, Miami, Florida (40 hours)  
07/23-29/00: 85<sup>th</sup> International Association for Identification Educational Conference, International Association of Identification, Charleston, West Virginia (40 hours)  
07/27-08/02/97: 82<sup>nd</sup> International Association for Identification Educational Seminar, Danvers, Massachusetts (40 hours)

07/20-26/96: 81st International Association for Identification Educational Seminar, Greensboro, North Carolina (40 hours)

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**Courtroom Experience:** List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Crime Scenes:	12/05 - present, 4 times
Footwear:	02/03 - present, 7 times
Tires:	01/02 - present, 2 times
Latent Fingerprints:	01/96 - present, 6 times
Controlled Substances:	01/96 - 12/98, 8 times

**Professional Affiliations:** List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

Member, International Association of Identification:  
Past Chair of the Footwear and Tiretrack Committee  
Current member of the Board of Directors  
Member, Pacific Northwest Division of IAI (Regional VP 2001-2002)  
Fellow, The Fingerprint Society  
Member, the Canadian Identification Society  
Member of the Footwear Certification Committee  
Member, FBI Scientific Working Group on Shoe and Tire Tread Evidence, 2004 - present

**Employment History:** List all scientific or technical positions held, particularly those related to forensic sciences. List current position first. Give a brief summary of principal duties and tenure in each position.

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|-----|-------------------|---|
| (1) | Job Title:        | Criminalist IV (Changed title to Forensic Scientist IV in February 2008)  |
|     | Employer:         | Alaska Department of Public Safety Scientific Crime Detection Laboratory<br>Anchorage, Alaska   |
|     | Principal Duties: | Supervisor of the Physical Forensic Unit: Footwear/tiretrack analysis, fingerprint examinations, field crime scene technicians.<br>Tenure: 12/01 – present  |
| (2) | Job Title:        | Criminalist I–II–III  |
|     | Employer:         | Alaska Department of Public Safety Scientific Crime Detection Laboratory<br>Anchorage, Alaska   |
|     | Principal Duties: | Footwear/tiretrack analysis, fingerprint examinations, and blood screening, controlled substances, breath alcohol and testimony in court. Laboratory Safety Committee Chair.<br>Tenure: 09/95 – 12/01 |
| (3) | Job Title:        | Latent Fingerprint Examiner I-II  |
|     | Employer:         | Alaska Department of Public Safety Scientific Crime Detection Laboratory<br>Anchorage, Alaska   |
|     | Principal Duties: | Latent fingerprint analysis and crime scene investigations.<br>Tenure: 08/94 - 09/95  |
| (4) | Job Title:        | Chemistry Teacher   |
|     | Employer:         | Anchorage School District Service High School<br>Anchorage, Alaska  |

Tenure: 1990 – 1994

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**Other Qualifications:** List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.

**Professional Certification**

Certified Footwear Examiner by the International Association for Identification, December 2002  
Certified Footwear Examiner by the Canadian Identification Society, April 2005  
Certified as a Diplomate in Criminalistics by the American Board of Criminalistics, May 2005

**Instructor Certification**

Alaska Police Standards Council Certified Police Instructor:  
Physical Evidence Collection  
Latent Fingerprint Development  
Photography

**Scientific Seminar and Workshop Presentations**

**Enhancement of Footwear Impression Evidence**, International Association for Identification Educational Seminar, San Diego, CA, July 2007

**An Evaluation of Dental Stone with Castone and Crime Cast**, International Association for Identification, 90<sup>th</sup> Educational Conference Dallas, Texas, August 2005

**Casting Impressions in Snow**, International Association for Identification, 88<sup>th</sup> Educational Conference Ottawa, Ontario, Canada 2003

**Snow Impression: Photography, Casting and Examination**. IAI Educational Seminar Lecture July 2002, July 2003 and July 2006 and at the Canadian Identification Society Educational Conference June 2004.

**Casting Impressions in Snow**, IAI Educational Seminar Poster Presentation, July 2001 (Honor: Best in Show). Published in the November 2001 European Information Bulletin of Shoeprint/Toolmark Examiners (vol.7, No.3)

**Physical Evidence Collection**, Alaska Association of Fire and Arson Investigators Conference, Fairbanks, Alaska, August 1997.

**Chemistry in Latent Print Development**, Administrative Advanced Latent Fingerprint School, FBI Training Academy, Quantico, Virginia, March 1997.

**Rotograph**, IAI Meeting, July 1997 Seminar

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**Professional Presentations and Workshops to Law Enforcement Personnel**

05/19-22/09	ALET Physical Evidence Collection, Sitka, Alaska
03/2009	US Forest Service Physical Evidence Collection, Anchorage Alaska
04/2008	Crime Scene Physical Evidence Refresher, Arson Conference, Soldotna
04/2008	Crime Scene Evidence, ALET Academy Sitka
05/2008	Crime Scene Physical Evidence Refresher, APOA Conference Juneau
10/2007	Blood enhancement of Footwear Impressions, Crime Lab Course
11/2003	DPS Training Academy, Sitka, Alaska
09/2001	Sitka PD, Sitka, Alaska
05/2001	Wrangell PD, Wrangell, Alaska
02/2000	VPSO Advanced Academy, DPS Academy, Sitka, Alaska
01/2000	Snow Impression Collection, Crime Lab Course
12/1999	Shoe and Tiretrack Evidence, Crime Lab Course
11/1999	VPSO Academy, King Salmon, Alaska
11/24-26/97	ALET #18, DPS Training Academy, Sitka, Alaska
05/06-08/97	ALET #17, DPS Training Academy, Sitka, Alaska
04/28-30/97	Wrangell Police Department, Wrangell, Alaska
04/07-11/97	Village Public Safety Officer Training Academy, King Salmon, Alaska
11/19-21/96	ALET #16, DPS Training Academy, Sitka, Alaska
04/29-05/01/96	ALET #15, DPS Training Academy, Sitka, Alaska
11/14-16/95	ALET #14, DPS Training Academy, Sitka, Alaska
11/28-29/95	Kenai Peninsula police agencies, Soldotna, Alaska
10/25/95	Troopers and National Guard, Fort Richardson, Alaska

**Publications**

**Hammer, L. & Kennedy R., (2009) Footwear and Foot Impressions: Foot Impressions and Linking Foot to Shoe, in *Wiley Encyclopedia of Forensic Science*, Jamieson, A., Moenssens, A. (eds). John Wiley & Sons Ltd., Chichester, UK, pp 1244-1248.**

**Hammer, L. (2009) Footwear and Foot Impressions: Overview, in *Wiley Encyclopedia of Forensic Science*, Jamieson, A., Moenssens, A. (eds). John Wiley & Sons Ltd., Chichester, UK, pp 1252-1255.**

**An Evaluation of Dental Stone, Traxtone, and Crime-Cast.** William Bodziak and Lesley Hammer. *Journal of Forensic Identification*, 2006;56(5): 769-772.

**Shoe and Tire Impression in Snow: Photography and Casting.** Lesley Hammer and James Wolfe. *Journal of Forensic Identification*, November/December 2003;53 (6): 647-655.

**Integrating DNA Collection into the Latent Print Section.** Lesley Hammer (and others). *Journal of Forensic Identification*, March/April 2004; 54(2): 170-177.